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TRAC-0344

# Tri-Party Agreement Milestone Summary

FEBRUARY 1992



**Westinghouse**  
**Hanford Company** Richland, Washington

Hanford Operations and Engineering Contractor for the  
U.S. Department of Energy under Contract DE-AC06-87RL10930

Approved for Public Release

## ADDENDUM

The following information is a list of significant events that have occurred since the close of the reporting period for the Tri-Party Agreement Milestone Summary.

- Milestones M-02-00, M-03-00, M-07-00, M-09-00 and M-31-00
  - Draft change requests have been submitted and reflect agreements reached during negotiations between DOE and Ecology. The change requests establish interim milestones and target dates for TWRS activities which support HWVP 1999 hot start-up.
- M-10-00 -- Single-Shell Tank Characterization
  - The January 28, 1992 200 Area Vapor Issue has resulted in a 30 day impact to the taking of core samples from single-shell tanks, required to meet interim milestone M-10-06. A Tri-Party Agreement change package is being drafted documenting the impacts and referencing the "Creation of Danger" letter promulgated by RL as justification for the change. It is anticipated that this change package will be forwarded to the regulators by the end of March, 1992.
- M-14-00 -- Low Level Lab
  - The EPA resolution is being reviewed by DOE-HQ and approval is expected about 3/27/92. DOE-RL initiated technical discussions on 3/24/92 with EPA and Ecology to define new milestones and delivery for laboratory services.
- M-17-00 -- Treatment Facilities/Upgrades
  - Change Package containing M-17 major and interim milestones (i.e., Change Package M-17-91-05) issued for public review and hearings on March 9, 1992. Four public hearings are scheduled for this change package during the 45 day public comment period.
  - The impacts on M-17 from continued delays to the 242-A Evaporator restart schedule is under assessment. A draft strategy for delisting the waste stream to be treated by Project C-018H that would use only simulated waste is under development. The strategy will be presented to EPA-HQ in April 1992. By basing the delisting petition on waste stimulants, this milestone can be decoupled from the start-up of the 242-A evaporator.

- M-24-00 -- Groundwater Wells

- EPA and Ecology have approved Change Request M-24-91-5 on 3/18/92 establishing interim milestones for CY 1992. The regulators have expressed technical agreement with the Change Request M-24-91-6 which changes the M-24-00 wording to require "up to 50" wells per year. Ecology has determined that public comment is required before this major milestone change is approved. Formal approval is not expected until about June. Ecology agreed to allow schedule relief for any delays caused by the public review.

March 24, 1992

**TRI-PARTY AGREEMENT BUDGET BASELINE SUMMARY**  
**FEBRUARY 1992**  
(\$ in Millions)

<u>MAJOR MILESTONE</u>	<u>FYTD BUDGET</u>	<u>FYTD COST</u>	<u>SPENDING VARIANCE</u>	<u>ANNUAL BUDGET</u>
M-00	3.9	3.4	0.5	10.3
M-01	14.3	13.7	0.6	38.6
M-02	2.4	1.7	0.7	3.7
M-03	8.9	5.7	3.2	21.1
M-04	NA	NA	NA	NA
M-05	3.2	2.4	0.8	6.1
M-06	0.0	1.0	-1.0	0.0
M-07	0.0	0.0	0.0	0.0
M-08	0.0	0.0	0.0	0.0
M-09	1.7	1.6	0.1	3.2
M-10	5.5	5.0	0.5	12.8
M-11	0.9	1.0	-0.1	11.7
M-12	0.7	0.9	-0.2	1.1
M-13	0.0	0.0	0.0	0.0
M-14	2.8	2.3	0.5	15.8
M-15	33.7	30.9	2.8	86.7
M-16	2.2	2.1	0.1	7.4
M-17	9.8	11.5	-1.7	87.8
M-18	3.8	3.9	-0.1	14.8
M-19	0.0	0.7	-0.7	0.0
M-20	2.8	2.0	0.8	10.8
M-24	3.9	4.0	-0.1	10.0
M-25	0.0	0.0	0.0	0.0
M-26	0.1	0.0	0.0	0.1
M-27	4.4	3.7	0.7	9.4
M-28	0.4	0.5	-0.1	0.7
M-29	NA	NA	NA	NA
M-30	NA	NA	NA	NA
M-31	1.2	1.3	-0.1	2.2
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	106.6	99.3	7.2	354.3
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NA - Not Available

Information contained in this report is for Westinghouse Hanford only.

# TPA MILESTONES

MILESTONE LEGEND MAJOR ○ INTERIM △	1991										1992			
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
M-01 GROUT														
M-02 B PLANT PRETREATMENT OF DST WASTE														
M-03 VITRIFICATION PLANT														
M-04 TANK WASTE TREATABILITY REPORTS														
M-05 SST INTERIM STABILIZATION														
M-06 SST RETRIEVAL TECHNOLOGY														
M-07 SST RETRIEVAL DEMONSTRATION														
M-08 TANK FARM CLOSURE DEMONSTRATION														
M-09 CLOSURE OF SINGLE SHELL TANKS														
M-10 SST CORE SAMPLE ANALYSIS														
M-11 EXPANDED LABORATORY HOT CELLS														
M-12 RUTS AND RUVCS SUBMITTALS														
M-13 SUBMIT 6 RUTS OR RUVCS PER YEAR														

08/07/91

**PAGE 2 OF 6**

**QUESTIONS**

# TPA MILESTONES

PAGE 3 OF 6

MILESTONE LEGEND MAJOR ○ INTERIM △	1991												1992											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
M-24 RCRA G/W MONITORING WELLS																								
M-25 LAND DISPOSAL ALTERNATIVE REPORTS																								
M-26 LAND DISPOSAL RESTRICTIONS																								
M-27 200 AREA AGGREGATE AREA MANAGEMENT STUDY REPORTS																								
M-28 SOILS AND G/W BACKGROUND DETERMINATION DOCUMENTS																								
M-29 HAINFORD RISK ASSESSMENT METHODOLOGY																								
M-30 100 AREA INTEGRATED GENERAL INVESTIGATIONS AND STUDIES																								
M-31 ADDITIONAL D&T CAPACITY																								

# TPA MILESTONES

MILESTONE LEGEND MAJOR ○ INTERIM △	FISCAL YEAR					
	1992	1993	1994	1995	1996	1997
M-01 GROUT						M-01-00 COMPLETE 14 GROUT CAMPAIGNS ○
M-02 INITIATE PRETREATMENT OF DST WASTE						
M-03 VITRIFICATION PLANT						
M-04 TANK WASTE TREATABILITY REPORTS	M-04-008 PROVIDE ANNUAL REPORT ○	M-04-009 PROVIDE ANNUAL REPORT ○	M-04-009 PROVIDE ANNUAL REPORT ○	M-04-009 PROVIDE ANNUAL REPORT ○	M-04-009 PROVIDE ANNUAL REPORT ○	M-04-009 PROVIDE ANNUAL REPORT ○
M-05 SST INTERIM STABILIZATION				M-05-00 COMPLETE SST STABILIZATION ○		
M-06 SST RETRIEVAL TECHNOLOGY			M-06-00 DEVELOP SST WASTE RETRIEVAL TECHNOLOGY AND COMPLETE SCALE MODEL TESTING ○			
M-07 SST RETRIEVAL DEMONSTRATION						
M-08 TANK FARM CLOSURE DEMONSTRATION						
M-09 CLOSURE OF SINGLE SHELL TANKS						
M-10 SST CORE SAMPLE ANALYSIS						
M-11 EXPANDED LABORATORY HOT CELLS				M-11-00 COMPLETE CONSTRUCTION AND INITIATE OPERATIONS OF EXPANDED LABORATORY HOT CELLS FOR HIGH-LEVEL RADIOACTIVE MIXED WASTE ○		
M-12 RI/FS AND RI/CMs SUBMITTALS	M-12-00 SUBMIT RI/FS AND RI/CMs PLANS FOR 20 OPERABLE UNITS ○					
M-13 SUBMIT 6 RI/FS OR RI/CMs PER YEAR		M-13-008 SUBMIT SIX RI/FS WORK PLANS ○	M-13-009 SUBMIT SIX RI/FS WORK PLANS ○	M-13-009 SUBMIT SIX RI/FS WORK PLANS ○	M-13-009 SUBMIT SIX RI/FS WORK PLANS ○	M-13-009 SUBMIT SIX RI/FS WORK PLANS ○



# TPA MILESTONES

PAGE 5 OF 6

MILESTONE LEGEND MAJOR ○ INTERIM △	FISCAL YEAR					
	1992	1993	1994	1995	1996	1997
M-14 LOW-LEVEL MIXED WASTE LABORATORY	M-14-00 INITIATE OPERATIONS ○					
M-15 RI/FS OR RFI/CMS FOR ALL OP. UNITS						
M-16 REMEDIAL ACTIONS FOR ALL OP. UNITS						
M-17 LIQUID EFFLUENT TREATMENT FACILITIES				M-17-00 COMPLETE LIQUID EFFLUENT TREATMENT FACILITIES/UPGRADES FOR PHASE I STREAMS ○		
M-18 WRAP MODULE I					M-18-00 INITIATE OPERATIONS ○	
M-19 WRAP MODULE II						
M-20 PART B PERMITS AND CLOSURE PLANS					M-20-00 SUBMIT PART B PERMIT APPLICATIONS OR CLOSURE PLANS FOR ALL RCRA TSD UNITS ○	
M-21 RCRA INTERIM STATUS COMPLIANCE ASSESSMENTS	- COMPLETE					
M-22 ENFORCEABLE ACTION COMPLIANCE SCHEDULES	- COMPLETE					
M-23 INTERIM STATUS REQ COMPLIANCE	- COMPLETE					
M-24 RCRA G/W MONITORING WELLS	M-24-00C INSTALL 60 RCRA WELLS ○	M-24-00B INSTALL 60 RCRA WELLS ○	M-24-00E INSTALL 60 RCRA WELLS ○	M-24-00F INSTALL 60 RCRA WELLS ○	M-24-00A INSTALL 60 RCRA WELLS ○	M-24-00H INSTALL 60 RCRA WELLS ○
M-25 LAND DISPOSAL ALTERNATIVE REPORTS	M-25-00C ISSUE REPORT ○	M-25-00D ISSUE REPORT ○	M-25-00E ISSUE REPORT ○	M-25-00F ISSUE REPORT ○	M-25-00A ISSUE REPORT ○	M-25-00H ISSUE REPORT ○
M-26 LAND DISPOSAL RESTRICTIONS						

# TPA MILESTONES

PAGE 6 OF 6

MAJOR ○	MILESTONE LEGEND INTERIM △	FISCAL YEAR					
		1992	1993	1994	1995	1996	1997
M-27 200 AREA AGGREGATE AREA MANAGEMENT STUDY REPORTS  M-28 SOILS AND G/W BACKGROUND DETERMINATION DOCUMENTS  M-29 HANFORD RISK ASSESSMENT METHODOLOGY  M-30 100 AREA INTEGRATED GENERAL INVESTIGATIONS AND STUDIES  M-31 ADDITIONAL DST CAPACITY		M-27-00 SUBMIT REPORTS ○					
		M-28-00 SUBMIT DOCUMENTS ○					
		M-29-00 DEVELOP & SUBMIT DOCUMENTS ○					
			M-30-00 COMPLETE INVESTIGATIONS & STUDIES ○				

**TPA Major Milestone Financial Summary**  
**February 1992**  
**(\$ in Millions)**

**Manager J. L. Denning**

**Major Milestone M-00-00**

**Description: Level of Effort Activity for Infrastructure Support of all TPA Milestones**

<b>FYTD Budget</b>	<b>FYTD Cost</b>	<b>Spending Variance</b>	<b>FY 1992 Annual Budget</b>	<b>Variance Explanation</b>
<b>3.9</b>	<b>3.4</b>	<b>0.5</b>	<b>10.3</b>	<b>None required.</b>

**MAJOR MILESTONE: M-01-00**  
**STATUS FOR END OF MONTH: FEBRUARY, 1992**

**DOE DIRECTOR: K. W. BRACKEN**

**MANAGER: J. L. EPSTEIN**

**BASELINE DATE: DECEMBER 1996**

**PROJECTED DATE: December 1996**

**DESCRIPTION: Completion of 14 Grout Campaigns**

**SUPPORTING INTERIM MILESTONE(S) FOR NEXT 12 MONTHS**

<u>MILESTONE</u>	<u>DESCRIPTION</u>	<u>BASELINE</u>	<u>PROJECTED</u>
None.			

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**ACCOMPLISHMENTS**

- o Topping slab on vaults 102, 103 and 104 have been completed.
- o Exhauster risers have been installed on the manways.
- o Approved design drawings for W-125.
- o Prepared valve test plan for pilot plan run and worked on conceptual design for valve box without making revision to the center vault pit design associated with the multi-vault filling options.
- o Completed core drilling of PSW bore hole #2.
- o Completed a draft of vault area fencing.
- o Operational Readiness Review Plan has been approved for public release.
- o All documentation pertaining to the Tank Integrity Assessment has been reviewed. The only portion remaining is to verify the waste transfer between the LCT and AP Farm.

**PLANNED ACTION(S) FOR NEXT 6 MONTHS**

- o Complete Conduct of Operations inspection at the Grout Processing and Dry Materials Facilities.
- o Continue evaluation of multi-vault filling options.
- o Complete core drilling of PSW and sample analysis of PSW.

- o Develop requirements document for 200 Area Records System which Grout will utilize.
- o Begin vault piping and vault pit installation.
- o Complete Tank Integrity Assessment.
- o Begin preparation of bid package for excavation and barrier placement of vaults 106-109.
- o Submit revision 0 of Final Safety Analysis Report to DOE-RL/HQ for review and approval.
- o Begin the facilities assessment phase of Operational Readiness Review (ORR).
- o Resubmittal of Performance Assessment (PA) to DOE-HQ.
- o Complete resolution of Ecology concern regarding Hydrogen generation issue in grout vaults.
- o Continue to work on the multiple vault filling options for further refinement of the concepts to arrive at a recommended action plan for future vault filling after vault 102.

#### **MILESTONE STATUS/PROBLEMS/ISSUES**

- o Vault construction is 1 month behind schedule. No impact to the milestone at this time.
- o Revision 0, Grout Treatment Facility Final Safety Analysis Report (FSAR) is planned to be submitted to RL in May 1992. Potential milestone impact, due to the compression of RL/HQ review and approval time. The FSAR is 3.5 months behind schedule.
- o Heat of hydration and the time necessary to pour a grout campaign to assure a "good" grout may impact the timely completion of grout milestones. Grout reformulation, alternative campaign strategies, and multi-vault filling options are being evaluated to address this matter.
- o An adverse NRC ruling on low-level waste classification would delay grout until pretreatment of the selected wastes can be implemented. An NRC ruling is expected before summer.
- o Key documents (FSAR, PA, and ORR) are on the critical path for grout start up. A delay in review and approval has the potential to slip the schedule and impact costs. RL is working to ensure the timely review of these milestones by Headquarters.
- o ECN B-714-104, vault leak acceptance criteria is being negotiated with Ecology. Timely resolution is required to maintain the vault construction schedule.

**TPA Major Milestone Financial Summary**  
**February 1992**  
**(\$ in Millions)**

**Major Milestone M-01-00**

**Manager J. L. Epstein**

**Description: Complete 14 grout campaigns of double-shell tank waste.**

<b>FYTD Budget</b>	<b>FYTD Cost</b>	<b>Spending Variance</b>	<b>FY 1992 Annual Budget</b>	<b>Variance Explanation</b>
<b>14.3</b>	<b>13.7</b>	<b>0.6</b>	<b>38.6</b>	<b>None required.</b>

**MAJOR MILESTONE: M-02-00**  
**STATUS FOR END OF MONTH: FEBRUARY, 1992**

**DOE DIRECTOR: K. W. BRACKEN**

**MANAGER: G. A. MEYER**

**BASELINE DATE: TBD**

**PROJECTED DATE: TBD**

**DESCRIPTION: Initiate pretreatment of double-shell tank waste.**

Double-shell tank waste pretreatment is required prior to disposal of high-activity tank wastes. The pretreatment supports the removal, treatment, and final disposal of wastes subject to land disposal restriction, stored in double-shell tanks. Removal of the wastes from the double-shell tanks and disposal in grout or glass will allow double-shell tank space to be made available for single-shell tank waste.

**SUPPORTING INTERIM MILESTONE(S) FOR THE NEXT 12 MONTHS**

<u>MILESTONE</u>	<u>DESCRIPTION</u>	<u>BASELINE</u>	<u>PROJECTED</u>
M-02-02A	Incorporate additional Interim milestones to support pretreatment of double-shell tank waste.	01/92	Complete *

\* Milestone Completion Contested by Regulators

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**ACCOMPLISHMENTS**

- o Proposed additional interim milestones to support pretreatment of DST waste submitted to Ecology and EPA.

**PLANNED ACTION(S) FOR NEXT 6 MONTHS**

- o Additional interim milestones to support pretreatment of double-shell tanks will be incorporated.
- o Initiate program rebaselining.

**MILESTONE STATUS/PROBLEMS/ISSUES**

- o Additional interim milestones being negotiated.

**TPA Major Milestone Financial Summary**  
**February 1992**  
 (\$ in Millions)

**Manager G. A. Meyer**

**Major Milestone M-02-00**

**Description: Initiate pretreatment of double-shell tank waste.**

<b>FYTD Budget</b>	<b>FYTD Cost</b>	<b>Spending Variance</b>	<b>FY 1992 Annual Budget</b>	<b>Variance Explanation</b>
<b>2.4</b>	<b>1.7</b>	<b>0.7</b>	<b>3.7</b>	<b>Placement of contracts in support of program redefinition have been delayed.</b>



**MAJOR MILESTONE: M-03-00**  
**STATUS FOR END OF MONTH: FEBRUARY, 1992**

**DOE DIRECTOR: R. W. BROWN**

**MANAGER: R. A. SMITH**

**BASELINE DATE: 12/31/99**

**PROJECTED DATE: 12/31/99**

**DESCRIPTION: Initiate Hanford Waste Vittrification Plant (HWVP) Operations**

**SUPPORTING INTERIM MILESTONE(S) FOR NEXT 12 MONTHS**

<u>MILESTONE</u>	<u>DESCRIPTION</u>	<u>BASELINE</u>	<u>PROJECTED</u>
M-03-01	Initiate Construction	04/92	04/92

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**ACCOMPLISHMENTS**

- o Completed first draft of the Waste Compliance Plan for the HWVP in February 1992.

**PLANNED ACTION(S) FOR NEXT 6 MONTHS**

- o Initiate construction (site preparation) of HWVP, 4/92. Start of construction depends on resolution of Hanford Facility Permit issues by April 30, 1992.
- o Submit Dangerous Waste permit application, Mod. 1, and Clean Air Act permit application in May 1992.
- o Approval of new interim milestone M-03-03, "Complete Vittrification Building and HWVP Detailed Design."

**MILESTONE STATUS/PROBLEMS/ISSUES**

- o Approval of sitewide Resource Conservation and Recovery Act (RCRA) Part B permit application may impact the HWVP Project.
- o Approval of HWVP Preliminary Safety Analysis Report and Environmental Compliance Analysis Report by the DOE-HQ required for start of construction in April 1992.
- o Program redefinition including uncertainties associated with pretreated feed for the HWVP Project are undergoing evaluation.

**TPA Major Milestone Financial Summary**  
**February 1992**  
 (\$ in Millions)

**Major Milestone M-03-00**

**Manager R. A. Smith**

**Description: Initiate Hanford Waste Vitrification Plant hot operations.**

<b>FYTD Budget</b>	<b>FYTD Cost</b>	<b>Spending Variance</b>	<b>FY 1992 Annual Budget</b>	<b>Variance Explanation</b>
<b>8.9</b>	<b>5.7</b>	<b>3.2</b>	<b>21.1</b>	<b>Majority of the variance is due to under-staffing (and associated costs such as relocation, ADP, etc.) and delays in contracted activity.</b>

**MAJOR MILESTONE: M-04-00**  
**STATUS FOR END OF MONTH: FEBRUARY, 1992**

**DOE DIRECTOR: K. W. BRACKEN**

**MANAGER: W. C. MILLER**

**BASELINE DATE: SEPTEMBER 30, 1992**

**PROJECTED DATE: SEPTEMBER 30, 1992**

**DESCRIPTION: Provide annual reports of tank waste treatability studies**

**SUPPORTING INTERIM MILESTONE(S) FOR NEXT 12 MONTHS**

<u>MILESTONE</u>	<u>DESCRIPTION</u>	<u>BASELINE</u>	<u>PROJECTED</u>
None.			

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**ACCOMPLISHMENTS**

- o Los Alamos Technical Associates, Inc. (LATA) has begun to compile the tanks-waste treatability studies for 1992.

**PLANNED ACTION(S) FOR NEXT 6 MONTHS**

- o Issue final report September 30, 1992

**MILESTONE STATUS/PROBLEMS/ISSUES**

- o 1992 report on schedule.

**TPA Major Milestone Financial Summary**  
**February 1992**  
**(\$ in Millions)**

**Major Milestone M-04-00**

**Manager W. C. Miller**

**Description: Provide annual report of tank waste treatability studies.**

<b>FYTD Budget</b>	<b>FYTD Cost</b>	<b>Spending Variance</b>	<b>FY 1992 Annual Budget</b>	<b>Variance Explanation</b>
<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>This workscope is currently not being reported in a separate cost account.</b>

**MAJOR MILESTONE: M-05-00**  
**STATUS FOR END OF MONTH: FEBRUARY, 1992**

**DOE DIRECTOR: R. E. GERTON**

**MANAGER: R. E. RAYMOND**

**BASELINE DATE: SEPTEMBER, 1995**

**PROJECTED DATE: SEPTEMBER, 1995**

**DESCRIPTION: Complete Single-Shell Tank interim stabilization**

**SUPPORTING INTERIM MILESTONE(S) FOR NEXT 12 MONTHS**

<u>MILESTONE</u>	<u>DESCRIPTION</u>	<u>BASELINE</u>	<u>PROJECTED</u>
M-05-04	Interim stabilize an additional 9 single-shell tanks.	9/30/92	TBD

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**ACCOMPLISHMENTS**

- o All pumping towards stabilization was halted while the 200 Area Vapor Release investigation was in progress.
- o All field work towards tank farm preparation was halted while the 200 Area Vapor Release investigation was in progress.
- o Generated a Hazards Identification Report as part of the on-going safety study for continuing interim stabilization of non-watch list tanks.

**PLANNED ACTION(S) FOR NEXT 6 MONTHS**

- o Submit and negotiate a new Tri-Party Agreement change package for FY 1992 and beyond non-watch list tank stabilizations.
- o Retrofit a crane for operating in fresh air restricted zones.
- o Pressure test the transfer lines in C-Farm.
- o Resume and complete pumping 4 SST's to meet FY 91 milestone (missed).
- o Resume and complete pumping 1 SST in BY-Farm for FY 92 milestone.
- o Issue schedule for pumping of S-Farm for FY 1992 target milestone.
- o Develop plan and schedule for solving safety issues on watch-list tanks.
- o Issue schedule for field preparation and stabilization of non-watch list tanks.
- o Complete field verification of physical status of stabilization equipment on watch-list tanks.
- o Continue safety study for non-watch-list tanks.

#### **MILESTONE STATUS/PROBLEMS/ISSUES**

- o This milestone is seven months behind schedule.
- o A "Creation of Danger," as defined in Article 31 of the Tri-Party Agreement, was declared on January 28, 1992. For personnel safety reasons, a work restriction has been placed on all single-shell tank farms, and fresh air is required to operate within the boundaries of three farms. The impacts to Tri-Party Agreement activity are being studied.
- o The FY 1991 stabilization milestone was missed in September 1991; and conditions in S-Farm and continuing safety concerns make it impossible to meet the baseline FY 1992 milestone. A new change package will be submitted by the end of April for the non-watch list tank stabilization program.
- o On February 28, 1992, all waste transfers in the 200 Area tank farms were halted due to concerns of fissile material inventory. Impacts to this milestone are under evaluation.

**TPA Major Milestone Financial Summary**  
**February 1992**  
 (\$ in Millions)

**Major Milestone M-05-00**

**Manager R. E. Raymond**

**Description: Complete Single-Shell Tank Interim Stabilization.**

FYTD Budget	FYTD Cost	Spending Variance	FY 1992 Annual Budget	Variance Explanation
3.2	2.4	0.8	6.1	The fiscal-year-to-date variance is due to: 1) pumping in tanks BY-109, C-102, and C-110 delayed because of equipment and operational problems. 2) Delays in preparation of verification packages to "T" and "U" farms. 3) vapor concerns and restrictions in SST farms stopped all field work on 1/28/92.

**MAJOR MILESTONE: M-06-00**  
**STATUS FOR END OF MONTH: FEBRUARY, 1992**

**DOE DIRECTOR: J. M. HENNIG**

**MANAGER: M. K. MAHAFFEY**

**BASELINE DATE: JUNE 1994**

**PROJECTED DATE: JUNE 1994**

**DESCRIPTION: Develop single-shell tank waste retrieval technology and complete scale model testing.**

**SUPPORTING INTERIM MILESTONE(S) FOR NEXT 12 MONTHS**

<u>MILESTONE</u>	<u>DESCRIPTION</u>	<u>BASELINE</u>	<u>PROJECTED</u>
M-06-02	Initiate Waste Retrieval Testing in Scale Model Tank.	10/92	10/92

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**ACCOMPLISHMENTS**

- o Completed milestone definition activities and submitted a plan to RL. This plan is in review by DOE-HQ and RL. Following completion of this review, the plan will be discussed with the regulators, and will form the basis for acknowledging milestone completion.
- o Based on interim guidance, sludge dislodging and conveyance work continued. Promising end effector designs were developed using state-of-the-art three dimensional modeling techniques. Work continued on the test plan for demonstrating sludge dislodging and conveyance in a tank mockup in the 337 high bay.
- o Regulator concurrence on the approach of using a full-size, one-eighth round simulated tank for demonstration purposes (rather than a full-round, scale model tank) was received at the February Unit Manager Meeting.

**PLANNED ACTION(S) FOR NEXT 6 MONTHS**

- o Continue testing with robotic test-bed, to define prototype retrieval system performance requirements.
- o Define, specify, and select options for waste dislodging and conveyance test units.
- o Begin enhancement of robotic test-bed, to include advanced sensors, simplified controls, and realistic dislodging equipment.

**MILESTONE STATUS/PROBLEMS/ISSUES**

- o This milestone is on schedule.



- o Disagreement by the parties to the Tri-Party Agreement on the approach defined in the M-06-00 milestone definition plan could jeopardize completion of milestone activities according to schedule.

**TPA Major Milestone Financial Summary**  
**February 1992**  
(\$ in Millions)

**Manager J. D. Berger**

**Major Milestone M-06-00**

**Description:** Develop single-shell tank waste retrieval technology and complete scale-model testing.

FYTD Budget	FYTD Cost	Spending Variance	FY 1992	
			Annual Budget	Variance Explanation
N/A	1.0	N/A	N/A	None required.

**Note:**

1. M-06 is being performed as part of two national programs, the Underground Storage Tank Integrated Demonstration, and the Integrated Robotics Program.
2. FY 1992 budget for this milestone has been submitted to RL and has not been finalized.
3. Costs shown are for WHC activities related to M-06. Some of these tasks support national activities in addition to or combined with M-06. Some tasks also support multi-purpose programs. Other laboratories such as PNL, SANDIA, ORNL, LLNL are also funded by DOE-HQ for work related to M-06. These costs are not included in the tabulation.

**MAJOR MILESTONE: M-07-00**  
**STATUS FOR END OF MONTH: FEBRUARY, 1992**

**DOE DIRECTOR: K. W. BRACKEN**

**MANAGER: W. C. MILLER**

**BASELINE DATE: OCTOBER 1997**

**PROJECTED DATE: OCTOBER 1997**

**DESCRIPTION: Initiate full-scale demonstration of waste retrieval technology.**

**SUPPORTING INTERIM MILESTONE(S) FOR NEXT 12 MONTHS**

<u>MILESTONE</u>	<u>DESCRIPTION</u>	<u>BASELINE</u>	<u>PROJECTED</u>
NONE			

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**ACCOMPLISHMENTS**

- o Continued planning and scheduling for this milestone, integrated with M-06-00 and M-08-00 requirements (funded as part of the C-106 retrieval planning effort).

**PLANNED ACTION(S) FOR NEXT 6 MONTHS**

- o Submit a new Tri-Party Agreement change package that reflects current plans.
- o Complete a draft definition of what constitutes completion of M-07-00 for discussion with the Parties.
- o Develop a detailed plan for M-07-00 achievement, integrated with M-06-00 and the Underground Storage Tank Integrated Demonstration activities.
- o Submit a supplemental funding request to obtain funding to allow continuation of planning for this milestone.
- o Initiate SST selection studies leading to M-07-01 (due 10/93).

**MILESTONE STATUS/PROBLEMS/ISSUES**

- o This milestone is in jeopardy due to lack of available commercial technology, multi-year development efforts, and procurement lead time restrictions.
- o Funding for this milestone was not allocated in FY 1992, consistent with activity projections during the budgeting process. Recent events indicate that the original activity level projections for this milestone may be inadequate to support future milestone activity. Requirements for FY 1992 are being defined.

**TPA Major Milestone Financial Summary**  
**February 1992**  
**(\$ in Millions)**

**Major Milestone M-07-00**

**Manager W. C. Miller**

**Description: Initiate full-scale demonstration of SST waste retrieval technology.**

<b>FYTD Budget</b>	<b>FYTD Cost</b>	<b>Spending Variance</b>	<b>FY 1992 Annual Budget</b>	<b>Variance Explanation</b>

**Support for this milestone will be determined upon approval of the Hanford Site Tank Waste Disposal Strategy Implementation Plan.**

**MAJOR MILESTONE: M-08-00**  
**STATUS FOR END OF MONTH: FEBRUARY, 1992**

**DOE DIRECTOR: K. W. BRACKEN**

**MANAGER: W. C. MILLER**

**BASELINE DATE: JUNE 2004**

**PROJECTED DATE: JUNE 2004**

**DESCRIPTION: Initiate full-scale tank farm closure demonstration project.**

**SUPPORTING INTERIM MILESTONE(S) FOR NEXT 12 MONTHS**

<u>MILESTONE</u>	<u>DESCRIPTION</u>	<u>BASELINE</u>	<u>PROJECTED</u>
None.			

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**ACCOMPLISHMENTS**

- o Continued planning and scheduling for this milestone, integrated with M-06-00 and M-07-00 requirements (funded as part of the C-106 retrieval planning effort).

**PLANNED ACTION(S) FOR NEXT 6 MONTHS**

- o Develop initial, top-level schedule to achieve this milestone.

**MILESTONE STATUS/PROBLEMS/ISSUES**

- o This milestone is on schedule, at this time.
- o See issue under Major Milestone M-07-00.

**TPA Major Milestone Financial Summary**  
**February 1992**  
**(\$ in Millions)**

**Major Milestone M-08-00**

**Manager W. C. Miller**

**Description: Initiate full-scale tank farm closure demonstration project.**

FYTD Budget	FYTD Cost	Spending Variance	FY 1992 Annual Budget	Variance Explanation
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**Work in support of this milestone will not begin in FY-92.**

**MAJOR MILESTONE: M-09-00**  
**STATUS FOR END OF MONTH: FEBRUARY, 1992**

**DOE DIRECTOR: E. A. BRACKEN**

**MANAGER: R. D. WOJTASEK**

**BASELINE DATE: JUNE 2018**

**PROJECTED DATE: JUNE 2018**

**DESCRIPTION: Complete closure of all 149 single-shell tanks.**

**SUPPORTING INTERIM MILESTONE(S) FOR NEXT 12 MONTHS**

<u>MILESTONE</u>	<u>DESCRIPTION</u>	<u>BASELINE</u>	<u>PROJECTED</u>
NONE.			

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**ACCOMPLISHMENTS**

- o Preparation of the single-shell tank work plan is approximately 50 percent completed with the draft of the first four chapters in internal review.
- o DOE has committed to accelerating the work on interim milestone M-09-01.

**PLANNED ACTION(S) FOR NEXT 6 MONTHS**

- o Submit a Tri-Party Agreement change package requiring the preparation of a Notice of Intent (NOI) to prepare a Supplemental Environmental Impact Statement for remediation of tank wastes, and submittal of said NOI for publication in the Federal Register.
- o Single-shell tank waste disposal strategy will be re-defined under the Tank Waste Remediation System Decision Plan.
- o Initiate discussions with Regulators on second round of NOD comments on SST System Closure/Corrective Action Work Plan (first round comments not received).

**MILESTONE STATUS/PROBLEMS/ISSUES**

- o This milestone is on schedule.
- o A "Creation of Danger," as defined in Article 31 of the Tri-Party Agreement, was declared on January 28, 1992. For personnel safety reasons, a work restriction has been placed on all single-shell tank farms, and fresh air is required to operate within the boundaries of three farms. The impacts to Tri-Party Agreement activity are being studied.

- o Milestone may be in jeopardy unless pre-closure activities can be accelerated. These activities requiring acceleration include: SEIS ROD preparation: SST Waste and Field Characterization; Technology Development; and concurrent permitting with facility design.



**TPA Major Milestone Financial Summary**  
**February 1992**  
**(\$ in Millions)**

**Major Milestone M-09-00**

**Manager R. D. Wojtasek**

**Description: Complete Closure of all 149 Single-Shell Tanks.**

<b>FYTD Budget</b>	<b>FYTD Cost</b>	<b>Spending Variance</b>	<b>FY 1992 Annual Budget</b>	<b>Variance Explanation</b>
<b>1.7</b>	<b>1.6</b>	<b>0.1</b>	<b>3.2</b>	<b>None required.</b>

**MAJOR MILESTONE: M-10-00**  
**STATUS FOR END OF MONTH: FEBRUARY, 1992**

**DOE DIRECTOR: R. E. GERTON**

**MANAGER: J. G. PROPSON**

**BASELINE DATE: SEPTEMBER 1998**

**PROJECTED DATE: SEPTEMBER 1998**

**DESCRIPTION: Complete analysis of at least two complete core samples from each single-shell tank.**

**SUPPORTING INTERIM MILESTONE(S) FOR NEXT 12 MONTHS**

<u>MILESTONE</u>	<u>DESCRIPTION</u>	<u>BASELINE</u>	<u>PROJECTED</u>
M-10-05	Issue "Integrated Plan-Sampling and Analysis of Hanford Site Wastes Measuring Greater than 10mREM per Hour"	3/31/92	3/31/92
M-10-06	Obtain 20 core samples from single-shell tanks.	9/30/92	10/31/92*
M-10-13	Restore rotary mode sampling capability at the Hanford Site.	9/30/92	9/30/92

\* 30 day delay due to Creation of Danger from 200 Area Vapor Release

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**ACCOMPLISHMENTS**

- o Continued rotary mode sampling development and testing.
- o Conducted face-to-face reviews with the regulators of the draft, "Integrated Plan - Sampling and Analysis of Hanford Site Wastes Measuring Greater than 10mREM per Hour." These reviews were well received, and provided excellent introductions to the subject matter and assumptions used in developing the report.

**PLANNED ACTION(S) FOR NEXT 6 MONTHS**

- o Issue the "Integrated Plan, Sampling and Analysis of Hanford Wastes Measuring Greater Than 10mREM per Hour."
- o Continue core sampling and analysis toward meeting M-10-06.
- o Continue hard saltcake sampling design and implementation.

**MILESTONE STATUS/PROBLEMS/ISSUES**

- o The major milestone is on schedule - interim milestones are in jeopardy.

- o A "Creation of Danger," as defined in Article 31 of the Tri-Party Agreement, was declared on January 28, 1992. For personnel safety reasons, a work restriction has been placed on all single-shell tank farms. The impacts to Tri-Party Agreement activity are being studied.
- o Regulators were requested to review the SST Characterization Plan, Revision 3, in October 1991. No comments have been received as of this date. RL currently at risk by continuing to characterize core samples.

**TPA Major Milestone Financial Summary  
February 1992  
(\$ in Millions)**

**Major Milestone M-10-00**

**Manager J. G. Propson**

**Description: Complete Analyses of at least Two Complete Core  
Samples from each Single-Shell Tank.**

<b>FYTD Budget</b>	<b>FYTD Cost</b>	<b>Spending Variance</b>	<b>FY 1992 Annual Budget</b>	<b>Variance Explanation</b>
5.2	4.2	1.0	13.4	Inability to sample non- watch list core samples because of lack of space to adequately store them. Cost estimates were based on taking 1.6 SST cores per month.

**MAJOR MILESTONE: M-11-00**  
**STATUS FOR END OF MONTH: FEBRUARY, 1992**

**DOE DIRECTOR: K. W. BRACKEN**

**MANAGER: M. L. BELL**

**BASELINE DATE: JUNE 1994**

**PROJECTED DATE: JUNE 1994**

**DESCRIPTION: Complete Construction and initiate operations of expanded laboratory hot cells for high-level radioactive mixed waste.**

**SUPPORTING INTERIM MILESTONE(S) FOR NEXT 12 MONTHS**

<u>MILESTONE</u>	<u>DESCRIPTION</u>	<u>BASELINE</u>	<u>PROJECTED</u>
M-11-02	Complete definitive design	March 1992	Completed 2/92

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**ACCOMPLISHMENTS**

- o Completed definitive design for Project W-041H, "Environmental Hot-Cell Expansion" during February, one month ahead of TPA milestone M-11-02.

**PLANNED ACTION(S) FOR NEXT 6 MONTHS**

- o Award hot-cell fabrication contract.

**MILESTONE STATUS/PROBLEMS/ISSUES**

- o The hot cell upgrade activities are on schedule to meet the June 1994 milestone.

**TPA Major Milestone Financial Summary**  
**February 1992**  
**(\$ in Millions)**

**Major Milestone M-11-00**      **Manager V. R. Dronen**

**Description: Complete Construction and initiate operations of the 222-S  
Hot Cell Addition, Project W-014H.**

<b>FYTD Budget</b>	<b>FYTD Cost</b>	<b>Spending Variance</b>	<b>FY 1992 Annual Budget</b>	<b>Variance Explanation</b>
<b>0.9</b>	<b>1.0</b>	<b>(0.1)</b>	<b>11.7</b>	<b>None required.</b>

**MAJOR MILESTONE: M-12-00**  
**STATUS FOR END OF MONTH: FEBRUARY, 1992**

**DOE DIRECTOR: E. A. BRACKEN**

**MANAGER: R. D. WOJTASEK**

**BASELINE DATE: JUNE 1992**

**PROJECTED DATE: JUNE 1992**

**DESCRIPTION:** Submit Remedial Investigation/Feasibility Study (RI/FS) and RCRA Facility Investigation/Corrective Measures (RFI/CMS) Study Work Plans for 15 Operable Units (OUs).

**SUPPORTING INTERIM MILESTONE(S) FOR NEXT 12 MONTHS**

<u>MILESTONE</u>	<u>DESCRIPTION</u>	<u>BASELINE</u>	<u>PROJECTED</u>
M-12-15	Submit 200-UP-2 OU Work Plan or alternate Work Plan based on U-Plant AAMSR	06/92	06/92

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**ACCOMPLISHMENTS**

- o No major activity.

**PLANNED ACTION FOR NEXT 6 MONTHS**

- o The one remaining rescoped work plan for this milestone will be issued to the regulators within the next six months. This work plan is for the 200-UP-2 operable unit. The Tri-Party Agreement allows for an alternate work plan to be based on the U-Plant aggregate area studies.

**MILESTONE STATUS/PROBLEMS/ISSUES**

- o This milestone is on schedule.

**TPA Major Milestone Financial Summary**  
**February 1992**  
**(\$ in Millions)**

**Major Milestone M-12-00**

**Manager R. D. Wojtasek**

**Description: Submit Remedial Investigation/Feasibility Study (RI/FS) and RCRA Facility Investigation/Corrective Measures (RFI/CMS) Study Work Plans for 15 Operable Units (OUs).**

<b>FYTD Budget</b>	<b>FYTD Cost</b>	<b>Spending Variance</b>	<b>FY 1992 Annual Budget</b>	<b>Variance Explanation</b>
<b>0.7</b>	<b>0.9</b>	<b>(0.2)</b>	<b>1.1</b>	<b>None required.</b>



MAJOR MILESTONE: M-13-00  
STATUS FOR END OF MONTH: FEBRUARY, 1992

DOE DIRECTOR: E. A. BRACKEN

MANAGER: R. D. WOJTASEK

BASELINE DATE: ANNUAL BEGINNING CY 93    PROJECTED DATE: ANNUAL BEGINNING CY 93

DESCRIPTION:    Submit six Remedial Investigation/Feasibility Study (RI/FS)  
                  or RCRA Facility Investigation/Corrective Measures Study  
                  (RFI/CMS) Work Plans per year.

**SUPPORTING INTERIM MILESTONE(S) FOR NEXT 12 MONTHS**

<u>MILESTONE</u>	<u>DESCRIPTION</u>	<u>BASELINE</u>	<u>PROJECTED</u>
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None.

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**ACCOMPLISHMENTS**

o    No activity.

**PLANNED ACTION(S) FOR NEXT 6 MONTHS**

o    No activity.

**MILESTONE STATUS/PROBLEMS/ISSUES**

o    This milestone is on schedule.

**TPA Major Milestone Financial Summary**  
**February 1992**  
**(\$ in Millions)**

**Major Milestone M-13-00**

**Manager R. D. Wojtasek**

**Description: Submit six Remedial Investigation/Feasibility Study or RCRA Facility Investigation/Corrective Measures Study Work Plans per year.**

<b>FYTD Budget</b>	<b>FYTD Cost</b>	<b>Spending Variance</b>	<b>FY 1992 Annual Budget</b>	<b>Variance Explanation</b>

**Work in support of this milestone will not begin in FY 92.**

**MAJOR MILESTONE: M-14-00**  
**STATUS FOR END OF MONTH: FEBRUARY, 1992**

**DOE DIRECTOR: K. W. BRACKEN**

**MANAGER: M. L. BELL**

**BASELINE DATE: JANUARY 1992**

**PROJECTED DATE: IN DISPUTE**

**DESCRIPTION:** Complete construction and initiate operations of a low-level mixed waste laboratory.

**SUPPORTING INTERIM MILESTONE(S) FOR NEXT 12 MONTHS**

<u>MILESTONE</u>	<u>DESCRIPTION</u>	<u>BASELINE</u>	<u>COMPLETED</u>
None.			

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**ACCOMPLISHMENTS**

- o Not applicable.

**PLANNED ACTION(S) FOR NEXT 6 MONTHS**

- o Not applicable.

**MILESTONE STATUS/PROBLEMS/ISSUES**

- o Negotiations to settle the dispute continued between DOE, EPA and Ecology. The DOE has proposed a settlement to resolve the issues within the Senior Executive Committee (SEC). Key points of the DOE position are:
  - Acceptance of a penalty for failure to follow the formal protocol for seeking a major milestone modification. The DOE would request \$100,000 in the FY 1994 budget to cover the penalty.
  - A program to facilitate expedited response actions.
  - Continued use of commercial laboratories for the bulk of TPA related analyses. Any new contracts would include penalty provisions for unacceptable turnaround times. The DOE would attempt to incorporate penalty provisions into existing contracts.
  - Evaluation of DOE performance for one year. If turnaround times do not satisfy the TPA specification, DOE will develop additional laboratory services dedicated to TPA activities.
  - Establishment of a technical support group to provide review and guidance in resolution of technical issues in TPA implementation.
  - Development of a written protocol for informal dispute resolution.

**TPA Major Milestone Financial Summary**  
**February 1992**  
**(\$ in Millions)**

**Major Milestone M-14-00**

**Manager C. R. Stroup**

**Description: Complete Construction and initiate operation of the Waste Sampling and Characterization Facility (WSCF), Project W-011H.**

<b>FYTD Budget</b>	<b>FYTD Cost</b>	<b>Spending Variance</b>	<b>FY 1992 Annual Budget</b>	<b>Variance Explanation</b>
<b>2.8</b>	<b>2.3</b>	<b>0.5</b>	<b>15.8</b>	<b>Design completed ahead of schedule.</b>

**MAJOR MILESTONE: M-15-00**  
**STATUS FOR END OF MONTH: FEBRUARY, 1992**

**DOE DIRECTOR: E. A. BRACKEN**

**MANAGER: R. D. WOJTASEK**

**BASELINE DATE: SEPTEMBER 2005**

**PROJECTED DATE: SEPTEMBER 2005**

**DESCRIPTION:** Complete the Remedial Investigation/Feasibility Study (RI/FS) or RCRA Facility Investigation/Corrective Measures Study (RFI/CMS) Process for all Operable Units (OUs).

**SUPPORTING INTERIM MILESTONE(S) FOR NEXT 12 MONTHS**

<u>MILESTONE</u>	<u>DESCRIPTION</u>	<u>BASELINE</u>	<u>PROJECTED</u>
M-15-03A	Submit draft F/S Phase 1/2 Report for 300-FF-1 to EPA and Ecology	09/92	09/92

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**ACCOMPLISHMENTS**

- o A change notice for Milestones 15-02-T1 and 15-02A to extend completion dates 30 days was prepared and will be submitted in to the system as a direct result of the work stoppage due to the vapor issue in Tank Farm.

**PLANNED ACTION(S) FOR NEXT 6 MONTHS**

- o Activities planned for the next two quarters are to continue RI Phase I within the 300-FF-1/-5 and 200-BP-1 OUs, with the RI Phase 2 activities continuing at 1100-EM-1. Within the 100 Area intrusive activities and non-intrusive activities will continue. These activities include drilling of groundwater monitoring wells, vadose zone boreholes, radiation surveys, soil sampling, etc. Additionally, the 200 Area OUs are being rescoped to an Aggregate Area Management Strategy approach. The 100 Area activities are to follow the soon to be approved Hanford Past Practice Strategies.

**MILESTONE STATUS/PROBLEMS/ISSUES**

- o This milestone is on schedule at this time.

**TPA Major Milestone Financial Summary**  
**February 1992**  
**(\$ in Millions)**

**Major Milestone M-15-00**

**Manager R. D. Wojtasek**

**Description:** Complete the Remedial Investigation/Feasibility Study or RCRA Facility Investigation/Corrective Measures Study Process for all Operable Units.

FYTD Budget	FYTD Cost	Spending Variance	FY 1992	
			Annual Budget	Variance Explanation
33.7	31.0	2.7	87.8	See note below.

**Variance:** intrusive characterization activities are costing less than planned and are ahead of schedule because less drilling footage and sampling is required; and delays in subcontractor billing for geological support and laboratory billing for 100-DR-1. Drilling costs at 100-HR-3 were less than planned because of not encountering contaminated soil in the groundwater wells. Also, late receipt of final invoices for CENRTC (cable tool rigs, excavator).

**The LIMS and conversion of the 3728 Warehouse to a laboratory are behind schedule.**

**MAJOR MILESTONE: M-16-00**  
**STATUS FOR END OF MONTH: FEBRUARY, 1992**

**DOE DIRECTOR: E. A. BRACKEN**

**MANAGER: R. D. WOJTASEK**

**BASELINE DATE: SEPTEMBER 2018**

**PROJECTED DATE: SEPTEMBER 2018**

**DESCRIPTION: Complete the Remedial Actions for all Operable Units (OUs).**

**SUPPORTING INTERIM MILESTONE(S) FOR NEXT 12 MONTHS**

<u>MILESTONE</u>	<u>DESCRIPTION</u>	<u>BASELINE</u>	<u>PROJECTED</u>
o	Refer to milestone M-15-00 status.		

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**ACCOMPLISHMENTS**

o No significant events.

**PLANNED ACTION(S) FOR NEXT 6 MONTHS**

o Refer to milestone M-15-00 status.

**MILESTONE STATUS/PROBLEMS/ISSUES**

- o This milestone is on schedule.
- o Refer to milestone M-15-00 status.

**TPA Major Milestone Financial Summary**  
**February 1992**  
**(\$ in Millions)**

**Major Milestone M-16-00**

**Manager R. D. Wojtasek**

**Description: Complete the Remedial Actions for all Operable Units.**

<b>FYTD Budget</b>	<b>FYTD Cost</b>	<b>Spending Variance</b>	<b>FY 1992 Annual Budget</b>	<b>Variance Explanation</b>
<b>2.2</b>	<b>2.1</b>	<b>0.1</b>	<b>7.4</b>	<b>None required.</b>



**MAJOR MILESTONE: M-17-00**  
**STATUS FOR END OF MONTH: FEBRUARY, 1992**

**DOE DIRECTOR: J. M. HENNIG**

**MANAGER: D. E. KELLEY**

**BASELINE DATE: JUNE 1995**

**PROJECTED DATE: JUNE 1995**

**DESCRIPTION: Complete Liquid Effluent Treatment facilities/upgrades for Phase I effluents.**

**SUPPORTING INTERIM MILESTONE(S) FOR NEXT 12 MONTHS**

<u>MILESTONE</u>	<u>DESCRIPTION</u>	<u>BASELINE</u>	<u>PROJECTED</u>
M-17-04	Complete B Plant chemical sewer upgrades.	July 1992	July 1992
M-17-06B	Submit the 300 Area Process Sewer Effluent characterization report based on the October 1991 sampling, to EPA and Ecology.	March 1992	March 1992
M-17-06C	Provide a shut-down plan to EPA and Ecology for the 300 Area Process Trenches. This shut-down plan shall allow for the safe, expeditious, and orderly shut-down of effluents to the 300 Area Process Trenches. This plan shall identify impacts of the shut-down on Agreement activities.	April 1992	April 1992
M-17-06D	Submit to EPA and Ecology the final report detailing the results of the 300 Area Process Trench Expedited Response Action (316-5 Trenches).	July 1992	July 1992
M-17-06E	Submit to EPA and Ecology an updated <u>Assessment of Potential Environmental Impacts from Continued Discharge to the 300 Area Process Trenches at Hanford</u> , to be based on all available information. This information shall include but not be limited to the characterization of the effluent and the results of the 300 Area Process Trench Expedited Response Action.	July 1992	July 1992
M-17-11J	Implement Flow Restrictions to Maintain 300 GPM to 216-U-14 Ditch.	December 1992	December 1992

M-17-11K	Complete a study evaluating the need for and feasibility of rerouting the UO3/U Plant Wastewater to an alternate site.	May 1992	May 1992
M-17-11N	Reroute Purex Steam Condensate to Purex Plant Chemical Sewer.	June 1992	June 1992
M-17-11O	Reroute Purex Plant Cooling Water to the Purex Plant Chemical Sewer.	June 1992	June 1992
M-17-11P	Accept Rerouted flow from PUREX Plant Steam Condensate and PUREX Plant Cooling Water to PUREX Plant Chemical Sewer. Limit flow of PUREX Plant Chemical Sewer to 500 gpm or less.	June 1992	June 1992
M-17-12D	Provide to EPA and Ecology Sampling and Analysis Plans for: 241-A Tank Farm Cooling Water, 244-AR Vault Cooling Water, 242-A Evaporator Steam Condensate, 242-A Evaporator Cooling Water, B Plant Cooling Water, 284-W Power Plant Wastewater, 183-D Filter Backwash Wastewater, 400 Area Secondary Cooling Water, T-Plant Laboratory Wastewater.	April 1992	April 1992

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#### **ACCOMPLISHMENTS**

- o Discontinued 2 discharges to their current disposal sites (i.e., B Plant Chemical Sewer, the 216-U-14 Ditch Surface Contamination Control Water). (Proposed M-17-04B, proposed M-17-17B).
- o Submitted the design/construction schedules to the Ecology and EPA for Project W-049H. (Proposed M-17-08A).
- o Submitted the architect/engineering firm design-construction schedule for Project C-018H to EPA and Ecology. (Proposed M-17-14A).

#### **PLANNED ACTION(S) FOR NEXT 6 MONTHS**

- o Submittal of Change Package M-17-91-05 for public review. This Change Package will include the interim milestones resulting from the liquid effluent negotiations which concluded in November 1991. Public review of the Change Package will occur during the review of the TPA Annual Update.
- o Submittal of 10 Sampling and Analysis Plans to EPA and Ecology (M-17-12D).

- o Discontinuing 1 more discharge to its current disposal site (i.e., the the PUREX Plant Steam Condensate). (M-17-11N)
- o Reroute the PUREX Cooling Water to the 216-B-3 Pond System via the PUREX Chemical Sewer. (M-17-11O and M-17-11P)
- o Submittal of an implementation schedule for the impact assessment method 30 days after regulator approval of the impact assessment methodology. (Proposed M-17-13A)
- o Submit the 300 Area Process Effluent characterization report so that the impact of the 300 Area Process Trench Expedited Response Action can be determined in order to provide the regulators with adequate information to render a decision by July 1992 regarding continued use of the 300 Area Process Trench. (M-17-06B)
- o Submittal of the shut-down plan for effluents being discharged to the 300 Area Process Trench to the regulators. (M-17-06C)
- o Submittal of the final report detailing the results of the 300 Area Process Trench Expedited Response Action. (M-17-06D)
- o Submittal of the updated environmental assessment based on all available information. (M-17-06E)
- o Complete construction of projects W-004 and W-010H. (proposed M-17-04C and proposed M-17-04D)
- o Initiation of pilot plant testing for Project C-018H. (proposed M-17-14B)
- o Submit an NPDES permit modification request for the N Reactor effluent. (proposed M-17-15D)
- o Submit the study evaluating the need for and feasibility of rerouting the U03/U Plant Wastewater to an alternate site. This study will evaluate in-plant options for rerouting. (M-17-11K)

#### **MILESTONE STATUS/PROBLEMS/ISSUES**

- o Milestone on schedule.
- o Change package containing proposed M-17 major and interim milestones tied to delays in issuance of TPA Annual Update for public review/hearings.
- o The impacts on M-17 from continued delays to the 242-A Evaporator restart schedule is under assessment. Further delays could prevent the inclusion of data generated during the pilot plant testing of the 242-A Evaporator Process Condensate in the project C-018H Delisting Petition, RCRA permit and the State Waste Discharge Program permit applications.

**TPA Major Milestone Financial Summary**  
**February 1992**  
**(\$ in Millions)**

**Major Milestone M-17-00**

**Manager D. E. Kelley**

**Description: Complete Liquid Effluent Treatment Facilities/Upgrades**

<b>FYTD Budget</b>	<b>FYTD Cost</b>	<b>Spending Variance</b>	<b>FY 1992 Annual Budget</b>	<b>Variance Explanation</b>
9.8	11.5	(1.7)	86.7*	HEC subprojects spending ahead of mid year budget.

\* Does not include \$1.9 for acceleration of Phase II Treated Effluent Disposal Facility (TEDF).

Corrected from prior month which erroneously duplicated portions of the budget at completion. HEC sub projects entering construction phase in second half of 1992.

**MAJOR MILESTONE: M-18-00**  
**STATUS FOR END OF MONTH: FEBRUARY, 1992**

**DOE DIRECTOR: K. W. BRACKEN**

**MANAGER: R. J. ROBERTS**

**BASELINE DATE: SEPTEMBER 1996**

**PROJECTED DATE: APRIL 1997**

**DESCRIPTION: Complete Waste Receiving and Processing (WRAP) Module I construction and initiate operations.**

**SUPPORTING INTERIM MILESTONE(S) FOR NEXT 12 MONTHS**

<u>MILESTONE</u>	<u>DESCRIPTION</u>	<u>BASELINE</u>	<u>PROJECTED</u>
None.			

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**ACCOMPLISHMENTS**

- o Submitted comments on the Title I Design to the WRAP 1 Architect/Engineering contractor.

**PLANNED ACTION(S) FOR NEXT 6 MONTHS**

- o Complete Title I Design Report.
- o Resolve Tri-Party Agreement Change Request.
- o Initiate resolution of Ecology comments on the WRAP I Dangerous Waste Permit Application when received.

**MILESTONE STATUS/PROBLEMS/ISSUES**

- o Continuing to be 6 months behind original TPA schedule but are maintaining schedule in the Change Request.
- o Comments have not yet been received from regulator's review of the WRAP RCRA permit application.

**TPA Major Milestone Financial Summary**  
**February 1992**  
 (\$ in Millions)

**Major Milestone M-18-00**

**Manager R. J. Roberts**

**Description: Initiate Operations of WRAP 1.**

<b>FYTD Budget</b>	<b>FYTD Cost</b>	<b>Spending Variance</b>	<b>FY 1992 Annual Budget</b>	<b>Variance Explanation</b>
<b>3.8</b>	<b>3.9</b>	<b>(0.1)</b>	<b>14.8</b>	<b>None required.</b>

**MAJOR MILESTONE: M-19-00**  
**STATUS FOR END OF MONTH: FEBRUARY, 1992**

**DOE DIRECTOR: J. M. HENNIG**

**MANAGER: R. J. ROBERTS**

**BASELINE DATE: SEPTEMBER 1999**

**PROJECTED DATE: SEPTEMBER 1999**

**DESCRIPTION: Complete Waste Receiving and Processing (WRAP) Module 2  
construction and initiate operations.**

**SUPPORTING INTERIM MILESTONE(S) FOR NEXT 12 MONTHS**

<u>MILESTONE</u>	<u>DESCRIPTION</u>	<u>BASELINE</u>	<u>PROJECTED</u>
None.			

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**ACCOMPLISHMENTS**

- o Re-initiated Conceptual Design activities.

**PLANNED ACTION(S) FOR NEXT 6 MONTHS**

- o Continue to resolve the uncertainties associated with Waste Isolation Pilot Project (WIPP) waste acceptance criteria impact on WRAP II.
- o Development of Part B permit application.
- o Develop TPA Change Package to reflect the modularization of the project necessary due to WIPP WAC uncertainties.

**MILESTONE STATUS/PROBLEMS/ISSUES**

- o Key Decision 0 was made 6 months behind schedule. The schedule for WRAP II is being re-assessed to determine schedule impacts of the delay of KD-0.
- o Significant technical issues exist regarding the WIPP waste acceptance criteria impact on WRAP II. The portion of WRAP II that will receive and process transuranic waste contaminated with hazardous waste (i.e. mixed TRU waste) may have to be delayed until WIPP WAC is finalized. WIPP WAC finalization is anticipated in 1994.

**TPA Major Milestone Financial Summary**  
**February 1992**  
**(\$ in Millions)**

**Major Milestone M-19-00**

**Manager R. J. Roberts**

**Description: Initiate Operations of WRAP II.**

<b>FYTD Budget</b>	<b>FYTD Cost</b>	<b>Spending Variance</b>	<b>FY 1992 Annual Budget</b>	<b>Variance Explanation</b>
0.0	0.7	(0.7)	0.0	\$1.7M has been authorized by DOE-RL but has not yet been entered as approved budget in WHC Financial Data System (FDS).



**MAJOR MILESTONE: M-20-00**  
**STATUS FOR END OF MONTH: FEBRUARY, 1992**

**DOE DIRECTOR: J. E. MECCA**

**MANAGER: C. J. GEIER**

**BASELINE DATE: MAY 1996**

**PROJECTED DATE: MAY 1996**

**DESCRIPTION:** Submit Part B permit applications or closure plans for all RCRA TSD units

**SUPPORTING INTERIM MILESTONE(s) FOR NEXT 12 MONTHS**

<u>MILESTONE</u>	<u>DESCRIPTION</u>	<u>BASELINE</u>	<u>PROJECTED</u>
M-20-20	Submit 325 Waste Treatment Facility Part B	April 1992	April 1992
M-20-21	Establish Submittal Date for B Plant Part B or Closure Plan	January 1992	Complete
M-20-23	Submit TRUSAF Part B	June 1992	June 1992
M-20-24	Submit PUREX Part B	Sept. 1992	Sept. 1992
M-20-25	Submit Hanford Patrol Academy Demolition Site Part B	Nov. 1992	Nov. 1992
M-20-26	Submit Ashpit Demolition Site Closure Plan	Nov. 1992	Nov. 1992
M-20-27	Submit Hexone Storage and Treatment Closure Plan	Nov. 1992	Nov. 1992
M-20-28	Submit E-8 Borrow Pit Demolition Site Closure Plan	Nov. 1992	Nov. 1992
M-20-30	Submit 303-M Oxide Facility Part B	Oct. 1992	Oct. 1992

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**ACCOMPLISHMENTS**

- o Transmitted Change Request to DOE-RL for submitting a Closure instead of a Part B for the Hanford Patrol Academy Demolition Site (M-20-25).

**PLANNED ACTION(S) FOR NEXT 6 MONTHS**

- o Submit 305-B Part B Revision 1 (M-20-08).
- o Submit 325 Waste Treatment Part B (M-20-20).
- o Submit TRUSAF Part B (M-20-23).

## **MILESTONE STATUS/PROBLEMS/ISSUES**

- o It has been determined that a closure plan should be prepared for the Hanford Patrol Academy Demolition Site instead of seeking an operating permit. A change package to reflect this change in planned operations was transmitted to DOE-RL.
- o The draft site-wide permit was received January 15, 1992, and reviewed by environmental and legal representatives of WHC, DOE-RL and Pacific Northwest Laboratories (PNL) for response to Ecology by February 29. Over 2000 comments were generated. A team of WHC, PNL and DOE-RL environmental and legal representatives reviewed, evaluated and consolidated all comments for transmittal by the end of the comment period. On February 27, Ecology extended the 45-day comment period to March 16.

**TPA Major Milestone Financial Summary**  
**February 1992**  
**(\$ in Millions)**

**Major Milestone M-20-00**

**Manager C. J. Geier**

**Description: Submit Part B Permit Applications or Closure Plans  
for all RCRA TSD Units.**

<b>FYTD Budget</b>	<b>FYTD Cost</b>	<b>Spending Variance</b>	<b>FY 1992 Annual Budget</b>	<b>Variance Explanation</b>
<b>2.8</b>	<b>2.0</b>	<b>0.8</b>	<b>10.8*</b>	Variance is primarily associated with continued delays in receipt of comments and NOD responses, resulting in less than planned support for follow-on revisions for Closure Plans and Part B Permit applications.

**\* Includes \$.4M HWVP Part B Permit costs which are also identified as supporting Milestone M-03, Initiate HWVP Operations.**

MAJOR MILESTONE: M-21-00  
STATUS FOR END OF MONTH: FEBRUARY, 1992

DOE DIRECTOR: N/A

MANAGER: N/A

BASELINE DATE: 4/89

PROJECTED DATE: 4/89

DESCRIPTION: Submit RCRA Interim Status Compliance Assessments for all  
TSO Units.

SUPPORTING INTERIM MILESTONE(S) FOR NEXT 12 MONTHS

<u>MILESTONE</u>	<u>DESCRIPTION</u>	<u>BASELINE</u>	<u>PROJECTED</u>
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None.

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ACCOMPLISHMENTS

- o Milestone was completed in April 1989.

PLANNED ACTION(S) FOR NEXT 6 MONTHS

- o N/A

MILESTONE STATUS/PROBLEMS/ISSUES

- o N/A

**TPA Major Milestone Financial Summary**  
**February 1992**  
**(\$ in Millions)**

**Major Milestone M-21-00**

**Manager N/A**

**Description: Submit RCRA Interim Status Compliance Assessments for all TSO Units.**

<b>FYTD Budget</b>	<b>FYTD Cost</b>	<b>Spending Variance</b>	<b>FY 1992 Annual Budget</b>	<b>Variance Explanation</b>
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**Milestone was completed in April 1989.**

**MAJOR MILESTONE: M-22-00**  
**STATUS FOR END OF MONTH: FEBRUARY, 1992**

**DOE DIRECTOR: N/A**

**MANAGER: N/A**

**BASELINE DATE: 12/89**

**PROJECTED DATE: 12/89**

**DESCRIPTION: Establish enforceable compliance action schedules.**

**SUPPORTING INTERIM MILESTONE(S) FOR NEXT 12 MONTHS**

<u>MILESTONE</u>	<u>DESCRIPTION</u>	<u>BASELINE</u>	<u>PROJECTED</u>
None.			

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**ACCOMPLISHMENTS**

- o Milestone was completed in 12/89. Incorporated as part of M-23-00.

**PLANNED ACTION(S) FOR NEXT 6 MONTHS**

- o N/A

**MILESTONE STATUS/PROBLEMS/ISSUES**

- o N/A

**TPA Major Milestone Financial Summary**  
**February 1992**  
**(\$ in Millions)**

**Major Milestone M-22-00**

**Manager N/A**

**Description: Establish enforceable compliance action schedules.**

<b>FYTD Budget</b>	<b>FYTD Cost</b>	<b>Spending Variance</b>	<b>FY 1992 Annual Budget</b>	<b>Variance Explanation</b>

**Milestone was completed in December 1989. Incorporated as part of M-23-00.**

**MAJOR MILESTONE: M-23-00**  
**STATUS FOR END OF MONTH: FEBRUARY, 1992**

**DOE DIRECTOR: N/A**

**MANAGER: C. J. GEIER**

**BASELINE DATE: SEPTEMBER 1991**

**PROJECTED DATE: SEPTEMBER 1991**

**DESCRIPTION: Complete interim status corrective actions.**

**SUPPORTING INTERIM MILESTONE(S) FOR NEXT 12 MONTHS**

<u>MILESTONE</u>	<u>DESCRIPTION</u>	<u>BASELINE</u>	<u>PROJECTED</u>
None.			

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**ACCOMPLISHMENTS**

- o Milestone was completed in January 1991.

**PLANNED ACTION(S) FOR NEXT 6 MONTHS**

- o N/A

**MILESTONE STATUS/PROBLEMS/ISSUES**

- o N/A



**TPA Major Milestone Financial Summary**  
**February 1992**  
**(\$ in Millions)**

**Major Milestone M-23-00**

**Manager C. J. Geier**

**Description: Achieve compliance with interim status requirements.**

<b>FYTD Budget</b>	<b>FYTD Cost</b>	<b>Spending Variance</b>	<b>FY 1992 Annual Budget</b>	<b>Variance Explanation</b>

**Milestone was completed in September 1991.**

**MAJOR MILESTONE: M-24-00**  
**STATUS FOR END OF MONTH: FEBRUARY, 1992**

**DOE DIRECTOR: K. W. BRACKEN**

**MANAGER: R. D. WOJTASEK**

**BASLINE DATE: DECEMBER 1992**

**PROJECTED DATE: DECEMBER 1992**

**DESCRIPTION:** Install RCRA groundwater monitoring wells at the rate of 29 in CY 1989, 30 in CY 1990, and 50 per year thereafter until all land disposal units and single-shell tanks are determined to have RCRA compliant monitoring systems.

**SUPPORTING INTERIM MILESTONE(S) FOR NEXT 12 MONTHS**

<u>MILESTONE</u>	<u>DESCRIPTION</u>	<u>BASLINE</u>	<u>PROJECTED</u>
M-24-00-D	Install 50 wells for CY 1992	Dec. 1992	Dec. 1992

**ACCOMPLISHMENTS**

- o Completed drilling the third, fourth, fifth and sixth Low-Level Burial Ground monitoring wells.
- o Resumed all drilling activities that had been halted as a result of the fume release incident in 200 East Area in January.

**PLANNED ACTION(S) FOR NEXT 6 MONTHS**

- o Continue drilling activities for CY 1992 wells.
- o Establish interim milestones for CY 1992 wells.

**MILESTONE STATUS/PROBLEMS/ISSUES**

- o Hanford technical staff, working with Ecology technical staff, have determined the locations for 26 sites to receive RCRA groundwater monitoring wells in CY 1992. Ecology has indicated that it would likely consider reducing the CY 1992 milestone to require 30 wells to be drilled instead of the currently required 50 wells. Change packages identifying CY 1992 interim milestones and to make the major milestone wording consistent with the number of CY 1992 wells are ready to be transmitted to the regulators. Approval is expected in March.
- o Drilling of six wells has been completed, and one of these is sample ready. One other wells are in progress. Drilling operations were suspended on January 28 in response to the fume release incident in the 200 East area, but all planned drilling activities are back in operation.

**TPA Major Milestone Financial Summary**  
**February 1992**  
**(\$ in Millions)**

**Major Milestone M-24-00**

**Manager R. D. Wojtasek**

**Description:** Install RCRA groundwater monitoring wells at 50 per year until all land disposal units and SST's are determined to have RCRA compliant monitoring.

<b>FYTD Budget</b>	<b>FYTD Cost</b>	<b>Spending Variance</b>	<b>FY 1992 Annual Budget</b>	<b>Variance Explanation</b>
<b>3.9</b>	<b>4.0</b>	<b>(0.1)</b>	<b>10.0</b>	<b>None required.</b>

**MAJOR MILESTONE: M-25-00**  
**STATUS FOR END OF MONTH: FEBRUARY, 1992**

**DOE DIRECTOR: J. M. HENNIG**

**MANAGER: R. J. ROBERTS**

**BASELINE DATE: MARCH 1992**

**PROJECTED DATE: MARCH 1992**

**DESCRIPTION:** Provide annual reports of studies/efforts that are in progress to identify alternatives to land disposal of radioactive mixed wastes.

**SUPPORTING INTERIM MILESTONE(S) FOR NEXT 12 MONTHS**

<u>MILESTONE</u>	<u>DESCRIPTION</u>	<u>BASELINE</u>	<u>PROJECTED</u>
None.			

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**ACCOMPLISHMENTS**

- o Data gathering activities initiated for report generation.
- o Received disapproval of the Change Package from EPA. Wording of the Change Package was revised and negotiated with EPA.
- o Submitted the revised Change Package combining the reports required for this milestone and milestone M-26-00 to EPA and Ecology. The scope of milestones M-25-00, M-26-01, and M-26-02 are proposed to be combined under M-26-01.

**PLANNED ACTION(S) FOR NEXT 6 MONTHS**

- o Submittal of the Annual Report by March 1992, as specified by this milestone, if the Change Package is not approved.
- o Complete negotiations on the TPA Change Package.

**MILESTONE STATUS/PROBLEMS/ISSUES**

- o This milestone is on schedule.
- o The report required for this milestone and milestone M-26-00 are redundant in scope. A change request has been submitted for the consolidation of M-25-00, M-26-01, and M-26-02 under M-26-01.

**TPA Major Milestone Financial Summary**  
**February 1992**  
**(\$ in Millions)**

**Major Milestone M-25-00**

**Manager R. J. Roberts**

**Description: Land Disposal Report**

<b>FYTD Budget</b>	<b>FYTD Cost</b>	<b>Spending Variance</b>	<b>FY 1992 Annual Budget</b>	<b>Variance Explanation</b>
<b>0.004</b>	<b>0.005</b>	<b>(0.001)</b>	<b>0.005</b>	<b>None required.</b>

**MAJOR MILESTONE: M-26-00**  
**STATUS FOR END OF MONTH: FEBRUARY, 1992**

**DOE DIRECTOR: J. M. HENNIG**

**MANAGER: C. J. GEIER**

**BASELINE DATE: OCTOBER 1992**

**PROJECTED DATE: OCTOBER 1992**

**DESCRIPTION:** Submit annual Hanford Land Disposal Restrictions (LDR) report in accordance with the LDR Plan to cover the period from October 1 through September 30.

**SUPPORTING INTERIM MILESTONE(S) FOR NEXT 12 MONTHS**

<u>MILESTONE</u>	<u>DESCRIPTION</u>	<u>BASELINE</u>	<u>PROJECTED</u>
M-26-01B	Submit an annual Hanford Land Disposal Restrictions Report in accordance with the LDR Plan to cover the period from 10/1/91 to 9/30/92.	10/31/92	10/31/92
M-26-02C	Establish interim milestones for LDR Compliance.	10/31/92	10/31/92

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**ACCOMPLISHMENTS**

- o Data gathering activities initiated for report generation.
- o Received disapproval of the Change Package to combine M-25 and M-26-01 and M-26-02 from EPA. Wording of the Change Package was revised and negotiated with EPA.
- o Submitted the revised Change Package combining the reports required for this milestone and milestone M-25 to EPA and Ecology. The scope of milestones M-25-00, M-26-01 and M-26-02 are proposed to be combined under M-26-01.

**PLANNED ACTION(S) FOR NEXT 6 MONTHS**

- o Report is being prepared 6 months ahead of schedule to support the April 1992 submittal date as proposed in the Change Package.
- o Resolution of Change Package issues.

#### **MILESTONE STATUS/PROBLEMS/ISSUES**

- o This milestone is ahead of schedule.**
- o The report required for this milestone and milestone M-25-00 are redundant in scope. A Change Request has been submitted for the consolidation of the scope of M-25-00, M-26-01, and M-26-02 under M-26-01.**

**TPA Major Milestone Financial Summary**  
**February 1992**  
**(\$ in Millions)**

**Major Milestone M-26-00**

**Manager C. J. Geier**

**Description: Land Disposal Restriction Report**

<b>FYTD Budget</b>	<b>FYTD Cost</b>	<b>Spending Variance</b>	<b>FY 1992 Annual Budget</b>	<b>Variance Explanation</b>
<b>0.06</b>	<b>0.04</b>	<b>0.02</b>	<b>0.14</b>	<b>Comments have not been received from EPA Region 10, thus delaying the need to obtain consulting services.</b>



**MAJOR MILESTONE: M-27-00**  
**STATUS FOR END OF MONTH: FEBRUARY, 1992**

**DOE DIRECTOR: E. A. BRACKEN**

**MANAGER: R. D. WOJTASEK**

**BASELINE DATE: SEPTEMBER 1992**

**PROJECTED DATE: SEPTEMBER 1992**

**DESCRIPTION:** Submit all Aggregate Area Management Study Reports (AAMSR) for the 200 Area to EPA and Ecology as secondary documents.

**SUPPORTING INTERIM MILESTONE(S) FOR NEXT 12 MONTHS**

<u>MILESTONE</u>	<u>DESCRIPTION</u>	<u>BASELINE</u>	<u>PROJECTED</u>
M-27-02	Submit AAMSR for U-Plant Waste Management Area	01/92	Complete
M-27-03	Submit AAMSR for Z-Plant Waste Management Area	02/92	Complete
M-27-04	Submit AAMSR for REDOX Waste Management Area	03/92	03/92
M-27-05	Submit AAMSR for T-Plant Waste Management Area	04/92	04/92
M-27-06	Submit AAMSR for PUREX Waste Management Area	05/92	05/92
M-27-07	Submit AAMSR for B-Plant Waste Management Area	06/92	06/92
M-27-08	Submit AAMSR for Semi-Works Waste Management Area	07/92	07/92
M-27-09	Submit AAMSR for 200-North Waste Management Area	08/92	08/92
M-27-10	Submit AAMSR for 200-West Waste Aggregate Area	09/92	09/92
M-27-11	Submit AAMSR for 200-East Groundwater Aggregate Area	09/92	09/92

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**ACCOMPLISHMENTS**

- o AAMS Redox Waste Management Area work plans submitted to RL for comments on 2/92.

**PLANNED ACTION(S) FOR NEXT 6 MONTHS**

- o AAMS T-Plant work plans will be submitted to RL for comments on 3/10/92.
- o The AAMS work plans for T-Plant (TPA milestone M-27-04, M-27-05, and M-27-06) will be issued.

**MILESTONE STATUS/PROBLEMS/ISSUES**

- o This milestone is on schedule.
- o Due to the near term dates for issuance of the work plans, considerable resources are being consumed to do two plans in parallel.

**TPA Major Milestone Financial Summary**  
**February 1992**  
**(\$ in Millions)**

**Major Milestone M-27-00**

**Manager R. D. Wojtasek**

**Description:** Submit all Aggregate Area Management Study Reports (AAMSR) for the 200 Area to EPA and Ecology as secondary documents.

FYTD Budget	FYTD Cost	Spending Variance	FY 1992	
			Annual Budget	Variance Explanation
4.4	3.7	0.7	9.4	Delay in billings from Norcal Labs and PNL subcontractor in support of the 100 Area General Characterization and the 200 Area Groundwater sampling and analysis.

**MAJOR MILESTONE: M-28-00**  
**STATUS FOR END OF MONTH: FEBRUARY, 1992**

**DOE DIRECTOR: E. A. BRACKEN**

**MANAGER: R. D. WOJTASEK**

**BASELINE DATE: APRIL 1992**

**PROJECTED DATE: APRIL 1992**

**DESCRIPTION:** Submit all Soils and Groundwater Background Determination Documents to EPA and Ecology.

**SUPPORTING INTERIM MILESTONE(S) FOR NEXT 12 MONTHS**

<u>MILESTONE</u>	<u>DESCRIPTION</u>	<u>BASELINE</u>	<u>PROJECTED</u>
M-28-03	Submit Soils Study Report Establishing Background Values for Soil and the Hanford Site and include report in Appendix F.	04/30/92	04/30/92
M-28-04	Submit Evaluation Report on existing Groundwater data establishing background values for groundwater at the Hanford Site and include report in Appendix F.	04/30/92	04/30/92

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**ACCOMPLISHMENTS**

- o Currently, 100% of background samples have been received on site from the off-site commercial CLP (Maxwell Labs S-Cubed). On February 14, 1992 all samples were verified and validated. Data supports the statistical model. In addition, 15 organic samples were taken and shipped to the laboratory for analysis.

**PLANNED ACTION(S) FOR NEXT 6 MONTHS**

- o Prepare and submit draft Soils Study Report to the EPA, Washington State Department of Ecology and RL by 4/30/92.
- o Prepare and submit a Evaluation Report on Groundwater by 4/30/92.
- o Propose and negotiate interim milestones which support the Soils Study Report final approval and issuance.

**MILESTONE STATUS/PROBLEMS/ISSUES**

- o A TPA change request was approved by EPA and Washington State Department of Ecology on 2/25/92 to move Milestone M-28-03 baseline date to 4/30/92.

**TPA Major Milestone Financial Summary**  
**February 1992**  
**(\$ in Millions)**

**Major Milestone M-28-00**

**Manager R. D. Wojtasek**

**Description:** Submit all Soils and Groundwater Background Determination Documents to EPA and Ecology.

FYTD Budget	FYTD Cost	Spending Variance	FY 1992 Annual Budget	Variance Explanation
0.4	0.5	(0.1)	0.7	See note below.

**Variance:** Milestone M-28-03 was missed. Delays are due to late receipt of comments from Ecology on Soils Background Sampling and Analysis Plan, and prioritization of RI/FS samples delayed sample analysis and validation. A change request was prepared by RL to revise the completion date for M-28-03 from February 28, 1992 to April 30, 1992, submitted to and approved by Ecology and EPA.

**MAJOR MILESTONE: M-29-00**  
**STATUS FOR END OF MONTH: FEBRUARY, 1992**

**DOE DIRECTOR: E. A. BRACKEN**

**MANAGER: R. D. WOJTASEK**

**BASLINE DATE: MARCH 1992**

**PROJECTED DATE: MARCH 1992**

**DESCRIPTION:** Develop and submit documentation to EPA and Ecology describing Hanford Risk Assessment Methodology.

**SUPPORTING INTERIM MILESTONE(S) FOR NEXT 12 MONTHS**

<u>MILESTONE</u>	<u>DESCRIPTION</u>	<u>BASLINE</u>	<u>PROJECTED</u>
M-29-02	Submit plan for development of area wide groundwater models (secondary document) to support risk assessment.	12/91	Complete
M-29-03	Submit risk assessment methodology document and include document in Appendix F.	03/92	03/92

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**ACCOMPLISHMENTS**

- o No significant accomplishments.

**PLANNED ACTION(S) FOR NEXT 6 MONTHS**

- o Issue Risk Assessment Methodology to EPA and Ecology by 3/31/92.

**MILESTONE STATUS/PROBLEMS/ISSUES**

- o This milestone is on schedule.
- o Future bounding lines were discussed at the February 1992 Project Managers Meeting. The decision is to include all land use scenarios and the four bounding lines in all risk assessments for each O.U. Future cost impacts are currently being evaluated.

**TPA Major Milestone Financial Summary**  
**February 1992**  
**(\$ in Millions)**

**Major Milestone M-29-00**

**Manager R. D. Wojtasek**

**Description: Develop and submit documentation to EPA and Ecology describing  
Hanford Risk Assessment Methodology.**

<b>FYTD Budget</b>	<b>FYTD Cost</b>	<b>Spending Variance</b>	<b>FY 1992 Annual Budget</b>	<b>Variance Explanation</b>

**This workscope is currently commingled with M-15 and costs are not being reported separately.**

**MAJOR MILESTONE: M-30-00**  
**STATUS FOR END OF MONTH: FEBRUARY, 1992**

**DOE DIRECTOR: E. A. BRACKEN**

**MANAGER: R. D. WOJTASEK**

**BASELINE DATE: SEPTEMBER 1993**

**PROJECTED DATE: SEPTEMBER 1993**

**DESCRIPTION:** Complete Integrated General Investigations and Studies for the 100 Area.

**SUPPORTING INTERIM MILESTONE(S) FOR NEXT 12 MONTHS**

<u>MILESTONE</u>	<u>DESCRIPTION</u>	<u>BASELINE</u>	<u>PROJECTED</u>
M-30-01	Submit a report (secondary document) to EPA and Ecology evaluating the impact to the Columbia River from contaminated springs & seeps, as described in the OU Work Plans listed in M-30-03.	02/92	Complete 02/92
M-30-02	Submit a plan (primary document) to EPA and Ecology to determine cumulative health & environmental impact to the Columbia River, incorporating results under M-30-01.	05/92	05/92
M-30-03	Complete all nonintrusive field work as identified in draft work plans for the following OU Work Plans: 100-HR-1, 100-DR-1, 100-BC-1, 100-BC-5, 100-KR-1, 100-KR-4, 100-NR-1, 100-NR-3, & 100-FR-1.	09/92	09/92
M-30-04	Submit a report (secondary document) to EPA & Ecology evaluating the interaction of Columbia River and unconfirmed aquifer for aquifer hydraulic parameters.	09/92	09/92

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**ACCOMPLISHMENTS**

- o Issued a report evaluating the impact of the Columbia River for contaminated springs and seeps (M-30-01).

**PLANNED ACTION(S) FOR NEXT 6 MONTHS**

- o Prepare and submit a plan which determines the cumulative health and environmental affects to the Columbia River, drawing from and building on the results of the report prepared under M-30-01.
- o Continue non-intrusive field activities in support of M-03-03.



**MILESTONE STATUS/PROBLEMS/ISSUES**

- o This milestone is on schedule.

**TPA Major Milestone Financial Summary**  
**February 1992**  
**(\$ in Millions)**

**Major Milestone M-30-00**

**Manager R. D. Wojtasek**

**Description: Complete Integrated General Investigations and Studies  
for the 100 Area.**

<b>FYTD Budget</b>	<b>FYTD Cost</b>	<b>Spending Variance</b>	<b>FY 1992 Annual Budget</b>	<b>Variance Explanation</b>
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**This workscope is currently commingled with M-15 and costs are not being reported separately.**

**MAJOR MILESTONE: M-31-00**  
**STATUS FOR END OF MONTH: FEBRUARY, 1992**

**DOE DIRECTOR: R. W. BROWN**

**MANAGER: V. R. DRONEN**

**BASELINE DATE: 9/30/92**

**PROJECTED DATE: 9/30/92**

**DESCRIPTION: Provide additional double-shell tank capacity.**

**SUPPORTING INTERIM MILESTONE(S) FOR NEXT 12 MONTHS**

<u>MILESTONE</u>	<u>DESCRIPTION</u>	<u>BASELINE</u>	<u>PROJECTED</u>
M-31-01	Complete CDR for first storage facility	09/30/92	6/01/92
M-31-02	Recommend additional tank space needs	09/30/92	09/30/92

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**ACCOMPLISHMENTS**

- o Conceptual design is continuing, and is on schedule.

**PLANNED ACTION(S) FOR NEXT 6 MONTHS**

- o Continue Conceptual Design.
- o Initiate engineering study for the second Tank Farm.

**MILESTONE STATUS/PROBLEMS/ISSUES**

- o Milestone M-31-01 is on schedule, and work for Milestone M-31-02 must be initiated in March to support the schedule.

**TPA Major Milestone Financial Summary**  
**February 1992**  
**(\$ in Millions)**

**Major Milestone M-31-00**

**Manager R. D. Wojtasek**

**Description: Provide additional double-shell tank capacity.**

<b>FYTD Budget</b>	<b>FYTD Cost</b>	<b>Spending Variance</b>	<b>FY 1992 Annual Budget</b>	<b>Variance Explanation</b>
<b>1.2</b>	<b>1.3</b>	<b>(0.1)</b>	<b>2.2</b>	<b>CDR preparation is approximately one month ahead of schedule.</b>

**TPA CHANGE REQUESTS**

**IN NEGOTIATION**

CHANGE#	DOE DIV DIR/LVL3 MGR/TPA MGR ORIGINATOR	COMT/EPA/ECO/DOE REPRESENTATIVES	DATE REC CLASS AGENCY	CHANGE TITLE	STATUS/DISPOSITION DATE\COMMENTS
M-02-92-2	K.W. BRACKEN G.A. MEYER D.W. LINDSEY D.W. LINDSEY	D.C. FRICK D. EINAN T.M. MICHELENA J.C. PESCHONG	3/05/92 III WHC	TANK FARM INFRASTRUCTURE UPGRADES	In Preparation DRAFT TO DOE 3/5/92. ACTIONEE J.C. PESCHONG
M-03-92-2	R.W. BROWN R.A. SMITH D.W. LINDSEY R.A. SMITH	H.R. GOUGE D. DUNCAN M.T. GORDON C.E. CLARK	3/02/92 II WHC	ESTABLISH ADDITIONAL INTERIM MILESTONES FOR HMVP (NEGOTIATED 5 NEW TPA INTERIM MILESTONES WITH REGULATORS)	In Preparation DRAFT TO DOE 3/5/92. ACTIONEE R.W. BROWN
M-07-92-1	J.M. HENNIG W.C. MILLER D.B. PABST W.C. MILLER	W.C. MILLER D. SHERWOOD M. LERCHEN S.L. TRINE	5/04/92 II WHC	DRAFT CONCEPTUAL DESIGN FOR RETRIEVAL OF SINGLE- SHELL TANK 241-C-106	Transmitted to DOE TRANSMITTED TO DOE 3-5-92. ACTIONEE S.L. TRINE.
M-09-92-1	J.M. HENNIG W.C. MILLER D.B. PABST W.C. MILLER	W.C. MILLER D. SHERWOOD M. LERCHEN S.L. TRINE	3/03/92 II WHC	NOTICE OF INTENT TO FILE SUPPLEMENTAL EIS FOR THRS	Transmitted to DOE TRANSMITTED TO DOE 3-5-92. ACTIONEE S.L. TRINE.
M-10-92-1	R.E. GERTON J.G. PROPPSON D.B. PABST J.G. PROPPSON	J.G. PROPPSON D. SHERWOOD M. LERCHEN J. CLARK	3/10/92 II WHC	DELAY IMPACT ORIGINATED BY CREATION OF DANGER IN 200 AREA VAPOR RELEASE.	In Preparation
M-14-91-1	K.W. BRACKEN C.R. STROUP G.D. FOREHAND J. SPAHR	S.L. BREY D. SHERWOOD T.M. MICHELENA D.M. WANEK	5/14/91 I WHC	COMPLETE CONSTRUCTION AND INITIATE OPERATIONS OF LOW-LEVEL MIXED WASTE LAB (M-14-00)	Disapproved STATEMENT OF DISPUTE ISSUED TO EPA AND ECOLOGY ON 12/6/91. DISPUTE RESOLUTION ONGOING.

CHANGE#	DOE DIV DIR/LVL3 MGR/TPA MGR ORIGINATOR	CONTR/EP/ECO/DOE REPRESENTATIVES	DATE REC CLASS AGENCY	CHANGE TITLE	STATUS/DISPOSITION DATE/COMMENTS
M-15-92-1	E.A. BRACKEN R.D. WOJTASEK L.A. ARNOLD T.M. WINTCZAK	T.M. WINTCZAK D. SHERWOOD L. GOLDSTEIN A.C. HARRIS	3/02/92 II UHC	DELAY OF 200-BP-1 MILESTONES DUE TO UNIDENTIFIED CHEMICAL FUMES.	In Preparation
M-17-91-5	J.E. MECCA D.E. KELLEY L.E. BORNEMAN D.E. MCKENNEY	D.E. KELLEY D. SHERWOOD T.M. MICHELENA L.S. MARIYA	9/16/91 I UHC	RENEGOTIATION OF M-17 LIQUID EFFLUENT MILESTONES	Transmitted to EPA & Dept of Ecology CHANGE REQUEST WAS ISSUED FOR PUBLIC COMMENT IN CONJUNCTION WITH THE 1992 ANNUAL REPORT.
M-17-92-1	J.M. HENNIG D.E. KELLEY L.E. BORNEMAN W.R. OMEN	W.R. OMEN D. SHERWOOD T.M. MICHELENA D.C. BRYSON	2/20/92 II UHC	MODIFICATION OF M-17-148 "INITIATE PILOT PLANT TESTING FOR 242-A EVAPORATOR/PUREX PLANT CONDENSATE TREATMENT FACILITY (PROJECT C-018H) AFTER THE EFFECTIVE DATE OF THE RD&D PERMIT. (PROPOSED)"	In Preparation
M-18-90-2	K.M. BRACKEN J. SWENSON L.E. BORNEMAN J.A. SWENSON	R.D. PIERCE D. DUNCAN T.M. MICHELENA R.F. GUERCIA	12/20/90 I UHC	DELAY CONSTRUCTION COMPLETION AND INITIATION OF OPERATIONS BY SIX MONTHS (WRAP MODULE 1)	Transmitted to EPA & Dept of Ecology TRANSMITTED TO EPA & DEPT OF ECOLOGY ON 2/6/91 - ACTIONEE TOBY MICHELINA OF ECOLOGY. 11-27-91 LETTER SENT TO EPA AND ECOLOGY REQUESTING ACTION.
M-19-91-1	L.C. WILLIAMS J. SWENSON L.E. BORNEMAN R.D. PIERCE	R.D. PIERCE D. DUNCAN T.M. MICHELENA R.F. GUERCIA	7/10/91 III UHC	WRAP II MILESTONE EXTENSION (M-19-00, M-19-01, M- 19-01T1)	Transmitted to DOE AN ADDITIONAL VERSION OF THIS CHANGE REQUEST IS NOW UNDER REVIEW AT DOE-HQ. ACTIONEE R.F. GUERCIA
M-20-91-1	J.E. MECCA J.P. SCHMIDT G.D. FOREHAND D. WATSON	D.J. WATSON D. DUNCAN T.M. MICHELENA C.E. CLARK	4/15/91 II UHC	CHANGE PART B TO CLOSURE PLAN FOR 303H OXIDE FACILITY	In Revision ON HOLD PENDING OUTCOME OF VARIANCE REQUEST TO WDOE. VARIANCE AT DOE-RL SINCE 7-1-91 AND UNDER REVIEW BY DOE-RL. ACTIONEE C.E. CLARK OF DOE-RL

CHANGE#	DOE DIV DIR/LVL3 MGR/TPA MGR ORIGINATOR	CONT/EPA/ECG/DOE REPRESENTATIVES	DATE REC CLASS AGENCY	CHANGE TITLE	STATUS/DISPOSITION DATE/COMMENTS
M-20-91-2	J.E. MECCA E.C. VOGT G.D. FOREHAND M. GAVIN	K.A. HADLEY D. SHERWOOD T.M. MICHELENA D.V. TEMPLETON	6/06/91 II WMC	ADD INTERIM MILESTONE TO M-20-00 TO REQUIRE SUBMISSION OF PART B PERMIT APPLICATION FOR PLUTONIUM FINISHING PLANT (PFP) 241-Z TANK SYSTEM	Transmitted to EPA & Dept of Ecology TRANSMITTED TO EPA & ECOLOGY 1-31-92. ACTIONEE TOSY MICHELENA.
M-20-92-2	K.W. BRACKEN R.J. ROBERTS G.D. FOREHAND B.M. BARNES	R.D. PIERCE D. DUNCAN T.M. MICHELENA C.E. CLARK	1/29/92 II WMC	NOTIFICATION OF REVISION OF MILESTONE M-20-25 FROM A PART B TO A CLOSURE PLAN SUBMITTAL	Transmitted to EPA & Dept of Ecology TRANSMITTED TO EPA AND ECOLOGY ON 2-27-92. ACTIONEE T.M. MICHELENA
M-24-91-4	K.W. BRACKEN R.D. WOJTASEK G.D. FOREHAND R.R. THOMPSON	R.R. THOMPSON D. DUNCAN K. KOMALIK M.J. FURMAN	7/16/91 II WMC	ESTABLISH RCRA WELL CALENDAR YEAR 1992 INTERIM MILESTONES	Transmitted to EPA & Dept of Ecology TRANSMITTED TO EPA AND ECOLOGY ON 10-3-91. VERBAL APPROVAL RECEIVED FROM K. KOMALIK OF ECOLOGY.
M-24-91-5	K.W. BRACKEN R.D. WOJTASEK G.D. FOREHAND R.R. THOMPSON	R.R. THOMPSON D. DUNCAN K. KOMALIK M.J. FURMAN	10/20/91 II WMC	ESTABLISH ADDITIONAL RCRA WELLS CY 1992 INTERIM M/S	Transmitted to EPA & Dept of Ecology TRANSMITTED TO EPA AND ECOLOGY ON 11-22-91. REVISED AND RETRANSMITTED TO EPA AND ECOLOGY 3-3-92
M-24-91-6	K.W. BRACKEN R.D. WOJTASEK G.D. FOREHAND R.R. THOMPSON	R.R. THOMPSON D. DUNCAN K. KOMALIK M.J. FURMAN	11/20/91 I WMC	CHANGE TOTAL NUMBER OF WELLS TO BE INSTALLED IN CY 1992	Transmitted to DOE TRANSMITTED TO DOE ON 2-12-92
M-26-92-1	R.E. GERTON C.J. GEIER L.E. BORNEMAN D.G. BLACK	J.O. SKOLRUD P.T. DAY T.M. MICHELENA R.F. GUERCIA	2/10/92 I WMC	COMBINING MILESTONES FOR REPORTS ON LAND DISPOSAL RESTRICTIONS	Transmitted to EPA & Dept of Ecology ORIGINAL CHANGE REQUEST (M-26-91-1) DENIED BY EPA. NEW CHANGE REQUEST (M-26-92-1) WAS ISSUED 3- 3-92 AND RESPONDS TO CURRENT ISSUES. ACTIONEE P.T. DAY.



CHANGE#	DOE DIV DIR/LVL3 MGR/TPA MGR	ORIGINATOR	CONT/EPA/ECO/DOE REPRESENTATIVES	DATE REC CLASS AGENCY	CHANGE TITLE	STATUS/DISPOSITION DATE/COMMENTS
M-28-91-2	E.A. BRACKEN R.D. WOJTASEK L.A. ARNOLD F.A. RUCK III	T.M. WINTCZAK P.S. INNIS L. GOLDSTEIN J.K. ERICKSON	1/20/92 II WMC	CLARIFICATION OF SITEWIDE BACKGROUND GROUND WATER REPORT (M-28-04)	In Preparation	
M-31-92-1	R.W. BROWN V.R. DROWN D.W. LINDSEY D.W. LINDSEY	R.L. FRITZ D. DUNCAN M. LERCHEN J.E. NEWSON	3/05/92 II WMC	NEW TANK FARM INTERIM MILESTONE AND TARGET DATES	In Preparation DRAFT AT DOE 3-5-92. ACTIONEE G. KONZEK	

\*\*\*\*\*END OF REPORT TPA002  
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